

Bargo WMC

Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

Project Number	30018124
Sampling Dates	2025-05-27 14:02 to 2025-05-27 13:09
Sampler Name	HW
Weather Conditions	Clear, sunny
Weather Station	High Range (Wanganderry)
BoM Barometric Pressure (mB)	1006 (Rising) recorded at 15:22
Device Atmospheric Pressure (mB)	
Wind Speed (km/h)	37
Instrument ID	Inspectra Laser (SN#3071022)
Date of Calibration	10/04/2024

Surface Gas Notes
Value exceeds adopted threshold
Surface gas > 500ppm (0.05 %v/v)
Gas accumulation > 10000ppm (1 %v/v)

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
EPA 9 - Surface points				
1	2.3	0.00023		
2	1.9	0.00019		
3	2.5	0.00025		
4	2.3	0.00023		
5	2.4	0.00024		
6	2.2	0.00022		
7	2.3	0.00023		
8	1.9	0.00019		
9	2	0.0002		
10	2.5	0.00025		
11	2.4	0.00024		
12	2.3	0.00023		
13	1.8	0.00018		
14	2.3	0.00023		
15	2.3	0.00023		
16	2.2	0.00022		
17	2.3	0.00023		
18	2.5	0.00025		
19	1.9	0.00019		
20	2.2	0.00022		
21	2.3	0.00023		
22	2.3	0.00023		

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
23	2.3	0.00023		
24	1.9	0.00019		
25	3.1	0.00031		
26	1.9	0.00019		
27	2.2	0.00022		
28	2.1	0.00021		
29	3.4	0.00034		
30	2.5	0.00025		
31	23.2	0.00232		
32	2.5	0.00025		
33	2.2	0.00022		
34	1.9	0.00019		
35	3.4	0.00034		
36	1.8	0.00018		
37	5	0.0005		
38	1.9	0.00019		
39	2.9	0.00029		
40	2.4	0.00024		
41	4.1	0.00041		
42	5.6	0.00056		
43	1.7	0.00017		
44	2.4	0.00024		
45	4.3	0.00043		
46	1.9	0.00019		
47	2.3	0.00023		
48	2.3	0.00023		
49	2.3	0.00023		
50	2.4	0.00024		
51	419	0.0419		
52	13.8	0.00138		
53	2.2	0.00022		
54	2.6	0.00026		
55	35.8	0.00358		
56	21.8	0.00218		
57	253	0.0253		
58	2.3	0.00023		
59	2.3	0.00023		
60	2.5	0.00025		
61	2.5	0.00025		
62	2.2	0.00022		

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
63	2.6	0.00026		
64	2.4	0.00024		
65	2	0.0002		
66	2.6	0.00026		
67	2.3	0.00023		
68	2.3	0.00023		
69	2.2	0.00022		
70	2.2	0.00022		
71	2	0.0002		
72	2.6	0.00026		
73	2.1	0.00021		
74	1.9	0.00019		
75	2	0.0002		
76	1.9	0.00019		
77	1.9	0.00019		
78	2.4	0.00024		
79	2.3	0.00023		
80	2.2	0.00022		
81	2.5	0.00025		
82	2.6	0.00026		
83	3.6	0.00036		
84	2.3	0.00023		
85	2.2	0.00022		
86	2.2	0.00022		
87	2.3	0.00023		
88	2.1	0.00021		
Additional Monitoring points				
1-A1	1.9	0.00019		
2-A1	2.6	0.00026		
3-A1	1.9	0.00019		
4-A1	2.2	0.00022		
5-A1	2.3	0.00023		
6-A1	1.9	0.00019		
7-A1	2.5	0.00025		
8-A1	2.4	0.00024		
9-A1	2.3	0.00023		
10-A1	2.3	0.00023		
11-A1	2.4	0.00024		
12-A1	2.3	0.00023		
13-A1	2.4	0.00024		

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
14-A1	2.2	0.00022		
15-A1	2.3	0.00023		
16-A1	2.2	0.00022		
17-A1	2.8	0.00028		
18-A1	27.7	0.00277		
19-A1	2.3	0.00023		
20-A1	2.2	0.00022		
21-A1	2.1	0.00021		
22-A1	2.1	0.00021		
23-A1	3.1	0.00031		
24-A1	2.5	0.00025		
25-A1	2.6	0.00026		
26-A1	9.6	0.00096		
27-A1	2.9	0.00029		
28-A1	4.5	0.00045		
29-A1	2.3	0.00023		
30-A1	2.6	0.00026		
31-A1	2	0.0002		
32-A1	2.2	0.00022		
33-A1	2.5	0.00025		
34-A1	2.8	0.00028		
35-A1	3.9	0.00039		
36-A1	2.3	0.00023		
37-A1	47.8	0.00478		
38-A1	2.3	0.00023		
39-A1	2.5	0.00025		
40-A1	2.2	0.00022		
41-A1	2.1	0.00021		
42-A1	2.5	0.00025		
43-A1	2.7	0.00027		
44-A1	2.8	0.00028		
45-A1	2.3	0.00023		
46-A1	1.9	0.00019		
47-A1	2.2	0.00022		
48-A1	3.2	0.00032		
49-A1	2.6	0.00026		
50-A1	2.5	0.00025		
Entry Ramp	2.3	0.00023		
Septic tank	2.5	0.00025		
EPA 10 - Gas Accumulation points				

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
1	2.3	0.00023		
2	2.3	0.00023		
3	2.4	0.00024		
4	2.3	0.00023		
5	2.3	0.00023		
6	2.4	0.00024		
7	2.1	0.00021		